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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/053,467	11/07/2001	Hiroshi Inoue	09792909-5258	3706
26263 75	590 . 02/10/2005	,	EXAM	INER
SONNENSCHEIN NATH & ROSENTHAL LLP			WILLS, MONIQUE M	
P.O. BOX 0610	. • -	rou(ep	ART UNIT	PAPER NUMBER
	IVE STATION, SEARS	IOWER	1	TATERMONDER
CHICAGO, IL	. 60606-1080		1746	

DATE MAILED: 02/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
Office Action Summany	10/053,467	INOUE ET AL.			
Office Action Summary	Examiner	Art Unit			
	Monique M Wills	1746			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 06 Ja	nuary 2005.	·			
	action is non-final.				
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1,2,4-7 and 9-12 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,2,4-7 and 9-12 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	n from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on <u>07 November 2001</u> is/ar		ed to by the Examiner.			
Applicant may not request that any objection to the o					
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11.					
	animer. Note the attached Office	Action of form PTO-152.			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau 	have been received. have been received in Application ty documents have been receive	on No			
* See the attached detailed Office action for a list of	of the certified copies not receive	d.			
Attachment(s)		(770)			
) Notice of References Cited (PTO-892) Discrete Discrete Of Draftsperson's Patent Drawing Review (PTO-948)	(PTO-413) te				
i) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)			

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DETAILED ACTION

Request for Continued Examination

The request filed on December 30, 2004 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 10/053,467 is acceptable and a RCE has been established. An action on the RCE follows. Claims 1-2, 4-7 & 9-12 stand rejected under 35 U.S.C. § 112, first paragraph, for failing to comply with the written description requirement. Claims 1-2, 4-7 & 9-12 stand rejected 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 6,432,585 to Kawakami. The rejections are recited below.

Claim Rejections ~ 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-2, 4-7 & 9-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement.

The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specification does not provide support for the composition A-B-C containing *about* 5 to 40% of the second element B. On page 6, lines 14-17, the second element is 5 to 50% by weight. Applicant amended the range of composition A-B-C to *about* 5 to 40%. There is no support in the

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specification for "about 5%", as the term "about" suggests latitude in determining the lower limit of the range. For example, "about 5%" arguable includes 4.8%, which is not supposed by the specification.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-2, 4-7 & 9-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Kawakami et al., U.S. Patent 6, 432,585.

With respect to claims 1 & 6, Kawakami teaches a negative electrode comprising tin, copper and bismuth (col. 52, lines 45-65). The limitation in claim 1 with respect to the second element B containing from about 5 to 40% is embraced by the presence of Sn at about 90 atomic %. With respect to claims 2 & 7, the reference teaches a negative electrode comprising tin, copper and bismuth (col. 52, lines 45-65). Regarding claim 6, the anode is employed in a non-aqueous electrolyte (col. 29, lines 10-20). With respect to claims 11 & 12, the negative

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electrode further contains a carbonaceous material consisting of graphite (col. 52, lines 55-68). The prior art of Kawakami anticipates the instant claims as set forth. The limitation in claims 4 & 9, with respect to the A-B-C composition having low crystallinity, is considered to be an inherent property of the electrode composition as set forth in the prior art, because Kawakami employs the same electrode material set forth by Applicant. The limitation in claims 5 & 10, with respect to the A-B-C composition being amorphous, is considered to be an inherent property of the electrode composition as set forth in the prior art, because Kawakami employs the same electrode material set forth by Application. The limitation in claim 11, with respect to the negative electrode further containing a carbonaceous material which is capable of being doped and un-doped with lithium, is considered to be an inherent property of the electrode

composition as set forth in the prior art, because Kawakami employs the same carbonaceous graphite additive set forth by Applicant.

Response to Arguments

Applicant's arguments filed January 6, 2005 have been fully considered but they are not persuasive. Specifically, Applicant contends that Kawakami is not anticipatory, because the reference does not disclose a second element B content of *about* 5 to 40% by weight.

Particularly, Applicant contends that tin power contains Bi and Cu in an amount of about 10 atomic %, not tin. This argument is not persuasive. The atomic balance of the composition requires that Sn is present at about 90 atomic %, which embraces a B content from about 5 to 40%. Additionally, there is no support in the specification for "about 5%", as the term "about" suggests latitude in determining the lower limit of the range.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571) 272-1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Michael Barr, may be reached at 571-272-1414. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MW

08/04/04

MICHAEL BARR SUPERVISORY PATENT EXAMINER